Topological sort Page No. 2 Disected Eta DAG > Directed Acyclic Grouph) 31/2 Gole वर्षमा ॥ Topological sost is applicable on DAG only * topological sort = gi DAG is the linear Ordering from vortex """ to verilex "", vortex """ comes before exp? in the ordering for path oldering; 10 1 3 2 36 this Valid => In this ordering every adj list "u" to "9" edge. 0-1293, => """ comes before """ Yes its & Valid top. Boot I why top. Bost only in DAG? = 08doning -: [1,2/3] here; (3,1) will posult in 2->3 Anvalid Top sost. So, will exist at least one give in Cyclic Graph which

Top sost (by DFS) Date: / Page No. will need Jox DFS adi list data structure 1-> 2,3, 2-> 4 Jox D.S => Stack We need additional 4-> 55 5-16 dog sun olfo(3) (alsendy visited) (oyo(c)) dfs (5) but already Visited so stack order dys (6) will boutfault from a coll then, bush into stack topological Sost

Why need of Stack in Topological We analyzed if afrom any Trevosive Call we are not able to go call Justher secrosive (all, than that vortex, will be having "lincoming edge" hence but that into Stack = which shows 13 AR 6-2. a builtible how as al